



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

Source:

Date Processed by STIC:

10/797,035
IFWO
3/22/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS.

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses.

1. EFS-Bio (<<http://www.uspto.gov/efc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/797,035

DATE: 03/22/2004

TIME: 14:56:14

Input Set : A:\PTO.DA.txt

Output Set: N:\CRF4\03222004\J797035.raw

3 <110> APPLICANT: JAPAN ATOMIC ENERGY RESEARCH INSTITUTE
 5 <120> TITLE OF INVENTION: PLANT PIGMENT ACCUMULATION GENE
 7 <130> FILE REFERENCE: 030385
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/797,035
 C--> 9 <141> CURRENT FILING DATE: 2004-03-11
 9 <150> PRIOR APPLICATION NUMBER: JAPAN, 2003-066310
 W--> 10 <151> PRIOR FILING DATE: MARCH 12, 2003
 E--> 12 <160> NUMBER OF SEQ ID NOS: 33

ERRORED SEQUENCES

301 <210> SEQ ID NO: 24
 302 <211> LENGTH: 31 - Found 30
 303 <212> TYPE: DNA
 304 <213> ORGANISM: Artificial sequence
 W--> 305 <220> FEATURE:
 306 <223> OTHER INFORMATION: Primer designated as TT19-RT/r1 which is used in RT-PCR method.
 308 <400> SEQUENCE: 24
 E--> 309 gggtttctcag atcatcataa attggagcta

31 - 30

please insert dashes (-), for ex:
 2003-03-12
 Does Not Comply
 Corrected Diskette Needed
 (pg. 1-6)

<210> 20

<211> 16

<212> DNA

<213> Artificial sequence

<220>

<223> Degenerate AD primer (AD2) for amplifying the rearranged DNA segments.

<400> 20

ngtcgaswga n^hawgaa

16

PLEASE explain "N"
locations and which
Residue "N" represents.

<210> 21

<211> 16

<212> DNA

<213> Artificial sequence

<220>

<223> Degenerate AD primer (AD3) for amplifying the rearranged DNA segments.

PLEASE see error
explanation on
page 4.

<400> 21

wgtg^hagwa^hca^haga

16

← SAME error

<210> 22

<211> 16

<212> DNA

<213> Artificial sequence

<220>

10/797,035
Page 3

<223> Another AD primer (AD1) for amplifying the rearranged DNA segments.

<400> 22

gttccgaswca ttawgtt

16

✓ Same error

VARIABLE LOCATION SUMMARY

DATE: 03/22/2004

PATENT APPLICATION: US/10/797,035

TIME: 14:56:15

Input Set : A:\PTO.DA.txt

Output Set: N:\CRF4\03222004\J797035.raw

Use of n's or Xaa's (NEW RULES):

Error Explanation: ✓

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:20; N Pos. 1,11

Seq#:21; N Pos. 5,10,13

Seq#:22; N Pos. 3,11

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/797,035

DATE: 03/22/2004

TIME: 14:56:15

Input Set : A:\PTO.DA.txt

Output Set: N:\CRF4\03222004\J797035.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:10 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:18 M:283 W: Missing Blank Line separator, <220> field identifier
L:38 M:283 W: Missing Blank Line separator, <220> field identifier
L:75 M:283 W: Missing Blank Line separator, <220> field identifier
L:86 M:283 W: Missing Blank Line separator, <220> field identifier
L:97 M:283 W: Missing Blank Line separator, <220> field identifier
L:108 M:283 W: Missing Blank Line separator, <220> field identifier
L:119 M:283 W: Missing Blank Line separator, <220> field identifier
L:130 M:283 W: Missing Blank Line separator, <220> field identifier
L:141 M:283 W: Missing Blank Line separator, <220> field identifier
L:152 M:283 W: Missing Blank Line separator, <220> field identifier
L:163 M:283 W: Missing Blank Line separator, <220> field identifier
L:174 M:283 W: Missing Blank Line separator, <220> field identifier
L:185 M:283 W: Missing Blank Line separator, <220> field identifier
L:196 M:283 W: Missing Blank Line separator, <220> field identifier
L:207 M:283 W: Missing Blank Line separator, <220> field identifier
L:218 M:283 W: Missing Blank Line separator, <220> field identifier
L:229 M:283 W: Missing Blank Line separator, <220> field identifier
L:240 M:283 W: Missing Blank Line separator, <220> field identifier
L:251 M:283 W: Missing Blank Line separator, <220> field identifier
L:262 M:283 W: Missing Blank Line separator, <220> field identifier
L:267 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:20 ✓
L:267 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:20 ✓
L:267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:273 M:283 W: Missing Blank Line separator, <220> field identifier
L:278 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:21 ✓
L:278 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:21 ✓
L:278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:284 M:283 W: Missing Blank Line separator, <220> field identifier
L:289 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:22 ✓
L:289 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:22 ✓
L:289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:295 M:283 W: Missing Blank Line separator, <220> field identifier
L:305 M:283 W: Missing Blank Line separator, <220> field identifier
L:309 M:254 E: No. of Bases conflict, LENGTH:Input:31 Counted:30 SEQ:24 ✓
L:309 M:252 E: No. of Seq. differs, <211> LENGTH:Input:31 Found:30 SEQ:24 ✓
L:315 M:283 W: Missing Blank Line separator, <220> field identifier
L:325 M:283 W: Missing Blank Line separator, <220> field identifier
L:335 M:283 W: Missing Blank Line separator, <220> field identifier
L:345 M:283 W: Missing Blank Line separator, <220> field identifier
L:355 M:283 W: Missing Blank Line separator, <220> field identifier
L:365 M:283 W: Missing Blank Line separator, <220> field identifier
L:375 M:283 W: Missing Blank Line separator, <220> field identifier
L:386 M:283 W: Missing Blank Line separator, <220> field identifier
L:397 M:283 W: Missing Blank Line separator, <220> field identifier
L:408 M:283 W: Missing Blank Line separator, <220> field identifier

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/797,035

DATE: 03/22/2004

TIME: 14:56:15

Input Set : A:\PTO.DA.txt

Output Set: N:\CRF4\03222004\J797035.raw

L:419 M:283 W: Missing Blank Line separator, <220> field identifier
L:430 M:283 W: Missing Blank Line separator, <220> field identifier
L:441 M:283 W: Missing Blank Line separator, <220> field identifier
L:452 M:283 W: Missing Blank Line separator, <220> field identifier
L:12 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (33) Counted (38) ✓